

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-029558**Date Inspected:** 14-May-2013**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** Jesse Cayabyab**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** SAS Tower**Summary of Items Observed:**

Caltrans Quality Assurance Inspector (QA) Joe Adame was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

Ultrasonic Testing of Tower Electroslag Welds (ESW)

The QA Inspector and ABF Quality Control Inspector Jesse Cayabyab performed Ultrasonic Testing (UT) on approximately 2000mm of Tower Electroslag Complete Joint Penetration (CJP) shear plate weld designated as ESW "N".

ESW N-041 "N" Face A, B

RWR-201304-013

Location Y = SMAW repair 5100mm ~ 5900mm. QA/QC also scanned 4800mm~5100mm,5900mm~6800mm.

QA/QC observed no rejectable indications in the SMAW repair area.

QA/QC observed three (3) recordable transverse indications in the ESW area above the repair.

The findings were verified by both parties at time of testing. ABF instructed QC to verify and document all transverse indications from 6000mm~6800mm in ring beam location. QA performed UT of weld designated as ESW "N" in accordance with the approved supplemental procedure for confirmation and evaluation of planar type defects. Tandem report for work performed on this date will be completed by QC Inspector and signed by both QA/QC parties. Items listed on tandem report reflect indications agreed upon by QA/QC. Please see TL-6027 for additional details on items inspected.

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Summary of Conversations:

Only general conversations with ABF/JV QC NDT personnel relevant to work and testing performed during this shift.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Gary Thomas (916) 764-6027, who represents the Office of Structural Materials for your project.

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| Inspected By: | Adame,Joe | Quality Assurance Inspector |
| Reviewed By: | Mertz,Robert | QA Reviewer |
